

NUMBER

1.

+	9	7	0	4	3	46
5						

2.

-	8	14	6	10	12	31
6						

3.

x	8	7	1	9	6	17
1						

4. Expand 4407.

	+		+	
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5. Count backwards in hundreds from 4020.

	,		,	
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6. $\frac{18}{18}$ or 18 out of 18 children watch TV.
 Does this mean no / all children watch TV?

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7. We spent \$15 on meat, \$27 on groceries and \$9 on pastries. Will a \$50 note be enough? Yes / No

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8. I've used 54% of my money, what percentage do I have left?

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9. Round 2500 off to the nearest thousand.

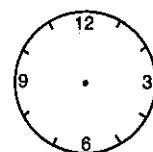
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10. Our car uses 10 litres of petrol every 100 kilometres. In 790 kilometres it will use:

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MEASUREMENT

11. Show 11:45 on this clock face.



12. A family meat pie has a mass of 950 g. How much less than 1 kg is this?

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13. 7.08 m is equal to:

7

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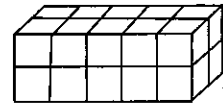
 and

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 centimetres

14. Write one hundred and forty-five square centimetres in shortened form.

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15.  There are


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 centimetre cubes in this shape.

16. Write forty-four degrees Celsius in shortened form.

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SPACE

17.  Draw in the line of cross section which will give a triangular shape when cut.

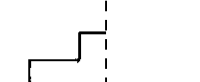
18. An obtuse angle is

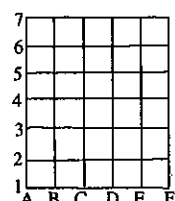
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 than a right angle but less than a

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 angle.

19. Complete this shape using the two lines of symmetry. 

20.  Name the angle formed at C when these points are plotted and joined; (B, 4), (C, 1) and (E, 6).

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21. For every 8 books that he was able to read, Sunin was given a merit sticker. How many stickers will he receive for this tally of books?
 Tally: IIII IIII IIII

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PROBABILITY

22. I put 6 green, 2 red and 1 yellow bead into a bag. If I draw them out one at a time which colour is least likely to be drawn first of all?

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Soil erosion

Soil erosion is the natural process where soil is carried away by water and wind and deposited somewhere else, usually at the bottom of the ocean. Usually, the process of erosion is balanced by the processes which build the soil up. Scientists estimate that the natural process of soil formation can take from 100 to 2500 years to produce about 2.5 cm of topsoil.

Plants and trees hold the topsoil in place. When they are removed, the topsoil is exposed and easily washed away by rain, or blown away by the wind. The wrong use of technology and poor land management can destroy soil that took millions of years to develop, in just 10 years.

The natural process of erosion has increased since humans began to plough the soil for crops and clear the land to feed grazing animals. Bad land management practices, such as ploughing and clearing steep slopes, using too much irrigation and having too many animals grazing on pastures, help to remove vegetation and leave the soil open to the effects of wind and rain. Perhaps the most destructive practice is the removal of forest. At present, we remove 12 million hectares of forest each year, and the world loses approximately 75 billion tonnes of soil each year. At this rate, we will lose 18 per cent of the farmable land on earth by the year 2000.

COMPREHENSION

- Where does eroded soil usually end up?

- How much topsoil is eroded each year?

- Which of the following practices increase erosion? _____
 (a) Clearing sloping land
 (b) Too much irrigation
 (c) Overgrazing
 (d) All of these

4. What holds topsoil in place? _____

- (a) Wind (b) Rain
 (c) Plants (d) Animals

5. Number these statements in order (1-4):
 (a) Plants and trees hold the topsoil in place.
 (b) Soil build-up is a natural process.
 (c) Soil erosion can take place quite quickly.
 (d) Forming soil takes hundreds, perhaps thousands of years.

SPELLING AND VOCABULARY

Rewrite the words spelt incorrectly:

6. I'll meet you on Wenesday. _____
 7. My Dad will be fourty in January. _____

Choose a word from the list which has a similar meaning to the word underlined:

8. He was a bold adventurer. _____
 (a) brave (b) old
 (c) strong (d) good
 9. The area was covered in litter. _____
 (a) insects (b) leaves
 (c) flowers (d) rubbish

Only one of the words in brackets is correct. Choose the correct word.

10. Lu gave out a cry of (pain, pane).
 11. Did you hear that low (groan, grown)?
 12. I lost the (hole, whole) purse of money.

GRAMMAR AND PUNCTUATION

13. Write a sentence with the word 'damage' used as a verb.

14. Punctuate this sentence:
 is this a turtle asked sean

